



KOREAN PATENT ABSTRACTS

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H04L 12/28**(54) REALTIME OPERATION CONSERVATION
PROCESSOR PROCESSING DEVICE**

(57) Abstract:

PURPOSE: A realtime operation conservation processor processing device is provided to processing a OAM(operation administration and maintenance) in spite of extending an ATM(asynchronous transfer mode) access node system by controlling a line card and processing a OAM through using a control processor of a line card module unit.

CONSTITUTION: If an OAM(operation administration and maintenance) related information is detected in processing an ATM cell at an ATM line card board(811), the OAM related information is transferred to a control processor(813) of a service node side through an interface between a line card board and a processor. The control processor(813) performs an OAM process on the basis of the OAM related information. An OAM cell which will be transmitted forward, is transferred to other control processors(833,823,843) through an interprocessor communication channel(870). An OAM cell which will be transmitted forward, is transferred to the line card(811) through an interface, and is transferred to a service node side through an optical line(700). The other control processors(833,823,843) transfer the OAM cell to a line card(841) through each line card interface, and transfer the OAM cell to an ONU(optical network unit)(1000) through an optical line(900).

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